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FIG. 1

SEQ ID NO: 3	M-AAIASSDI	RQKREVP	PG	GSRPVSAQRR	VQPRGT-KSL	CQKQLLILLS	48
SEQ ID NO: 1	MAAAIASSLI	RQKROARESN		SDRVSAKRR	SSPSKDGRSL	CERHVLGVFS	50
SEQ ID NO: 4	MAAAIASSGLI	RQKROAREQH		WDRPSASRRR	SSPSKN-RGL	CNGNLVDIFS	49
SEQ ID NO: 2	MAAAIASSLI	RQKROARERE		KSN--ACKCV	SSPSKG-KTS	CDKNKLNVS	47
*							
hFHF-3	KVRLCGRPA	RPDRGPEPQL		KGIVTKLFCR	QGFYLOANPD	GSIQGTPEDT	98
hFHF-1	KVRFCSGRKR	PVFRRPPEPQL		KGIVTRILFSQ	QGFYLOMHPD	GTIDGTKDEN	100
hFHF-4	KVTIFGLKKR	RLRRQ-DPQL		KGIVTRILYCR	QGFYLOMHPD	GALDGTKDDS	98
hFHF-2	RVKLFGSKKR	R-FRRPEPQL		KGIVTKLYSR	QGFYLOLQAD	GTIDGTKDED	96
hFHF-3	SSFTHFNLIIP	VGLRVVVIQ		AKLGHYMMAMN	AEGILYSSPH	FTAECREKEC	148
hFHF-1	SDYTLFNLIIP	VGLRVVAIQ		VKASLYMMAMN	GEGYLYSSDV	FTPECKEKES	150
hFHF-4	TNSTKFNLIP	VGLTVVAIQ		VKTGLYIAMN	GEGYLYPSEL	FTPECKEKES	148
hFHF-2	STYTLFNLIIP	VDLRVVAIQ		VQTKLYLAMN	SEGYLYISEL	FTPECKEKES	146
hFHF-3	VFENYYVLYA	SALYRQRRSG		RAWYLGLOKE	QVMKGNRVK	KIKAAAHFLP	198
hFHF-1	VFENYYVLYS	STLYRQOESG		RAWELGLNKE	QOIMKGNRVK	KIKPSSHFLVP	200
hFHF-4	VFENYYVLYS	SMLYRQOESG		RAWELGLNKE	QOAMKGNRVK	KIKPAAHFLP	198
hFHF-2	VFENYYVLYS	SMLYRQOQSG		RGWYLGLNKE	GEIMKGNHVK	KNKPAAHFLP	196
hFHF-3	KLLEVAMYQE	PSLHVSVP	AS	PSS---PP--	-----	-----AP	225
hFHF-1	KPIEVQMYRE	PSLHEIGE	--	-KQG--RSRK	SSGTPTMNGG	KVVNQ-DST	243
hFHF-4	KPLEVAMYRE	PSLHDVGE	TV	PKPGBYPSKS	TSASAIMNGG	KPVNKSITT	247
hFHF-2	KPLKVAMYKE	PSLHDBGE	TV	RSGSGTPTKS	TSBSGBLNGG	KSM SHNEST	245

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FIG. 2A

SEQ ID NO: 1	MAAAIASSLI	SDRVASAKRR	SSPSKDGRL	°CERHVLVGFS	50
SEQ ID NO: 4	MAAAIASGLI	WDRPSASRRR	SSPSKN-RGL	CNGNLVDIFS	49
SEQ ID NO: 2	MAAAIASGLI	KSN--ACKCV	SSPSKG-KTS	CDKNKLNVS	47
SEQ ID NO: 3	M-AALASSLI	GSRPVSAQRR	VCPRGT-KSL	CQKQLLILLS	48
SEQ ID NO: 7	M-APLGE--V	P-----FGNVP	VLPVDS-PVL	----LSDMLG	38
SEQ ID NO: 5	M-AEAGE---	-----ITFT	ALTE---KF	-----NLP	19
SEQ ID NO: 6	M-AAGS---	-----ITTLP	APLEDGSG-	-----AFP	22
hFHF-1	°KVRFCSGRKR	°KGI°VTR--LF	°SQ°-GYFLQM	HPDGTIDGTK	97
hFHF-4	KVRIEGLKKR	KGI°VTR--LY	CRQ-GYFLQM	HPDGCALDGTK	95
hFHF-2	RVKLEFSKKR	KGI°VTK--LY	SRQ-GYHLQL	QADGTIDGTK	93
hFHF-3	KVRLCGGRPA	KGI°VTK--LF	CRQ-GFYLQA	NPDGSIQGTP	95
hFGF-9	QSEAGGLPRG	KGILRRRQLY	CRT-GFHLEI	FPNGTOQGTR	86
hFGF-1	PGNY----K-	-----LY	CSNGGMFLRI	LPDGTVDGTR	50
hFGF-2	PGHF----K-	-----LY	CKNGGFFLRI	HPDGRVDGVR	53
hFHF-1	°DENS°DYTLFN	°IQ°GVKASLYC	AMNGEGYLYS	°SD°VFTPECKF	147
hFHF-4	DDSTNSTLNF	°IQ°GVKTGLYI	AMNGEGYLYP	SELEFTPECKF	145
hFHF-2	DEDSTYTLFN	°IQ°GVQTKLYL	AMNSEGYLYT	SELEFTPECKF	143
hFHF-3	EDTSSFTTHFN	IRGVDSGLYL	GMNEKGELYG	SPHFTAECRF	145
hFGF-9	KDHSRFGILE	IRGBDSGLYL	SMNEKGELYG	SEKLTQECVF	136
hFGF-1	DRSDQHIQLQ	IKSTETGQYL	AMTDGLLYG	SQTPNEECLE	100
hFGF-2	EKSDPHIKLQ	IKGVCANRYL	AMKEDGRLLA	SKCVTDECFF	103

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FIG. 2B

hFHF-1	KESV <sup>o</sup> FEN <sup>o</sup> Y <sup>o</sup> YV	IYSTLYR <sup>o</sup> Q <sup>o</sup> Q	ESGRAWFL <sup>o</sup> GL	NK <sup>o</sup> EGQIM <sup>o</sup> KGN	RVKKT <sup>o</sup> KPSSH	197
hFHF-4	KESV <sup>o</sup> FEN <sup>o</sup> Y <sup>o</sup> YV	IYSSMLYR <sup>o</sup> Q <sup>o</sup> Q	ESGRAWFL <sup>o</sup> GL	NK <sup>o</sup> EGQAM <sup>o</sup> KGN	RVKKT <sup>o</sup> KPAAH	195
hFHF-2	KESV <sup>o</sup> FEN <sup>o</sup> Y <sup>o</sup> YV	TYSSMIYR <sup>o</sup> Q <sup>o</sup> Q	QSGRGWYL <sup>o</sup> GL	NK <sup>o</sup> EGEIM <sup>o</sup> KGN	HVKKNK <sup>o</sup> PAAH	193
hFHF-3	KESV <sup>o</sup> FEN <sup>o</sup> Y <sup>o</sup> YV	LYASALYR <sup>o</sup> Q <sup>o</sup> R	RSGRWYL <sup>o</sup> GL	DKEGQVM <sup>o</sup> KGN	RVKKT <sup>o</sup> KAAAH	195
hFGF-9	REQFEENWYN	TYSSNLYKHV	DTGRRYYVAL	NKDGT <sup>o</sup> PREGT	RTKRHQK <sup>o</sup> FTH	186
hFGF-1	LERLEENHYN	TYISK <sup>o</sup> KHAEK	----NW <sup>o</sup> FVGL	KKNGSCKRGP	RTHYGQK <sup>o</sup> AIL	146
hFGF-2	FERLESNNYN	TYRSRKYT--	----SW <sup>o</sup> YVAL	KRTGQYK <sup>o</sup> LGS	KTGPGQK <sup>o</sup> AIL	147
hFHF-1	FVPKPIEV <sup>o</sup> CM	YREPSLHEIG	E <sup>o</sup> ---KQ <sup>o</sup> G--R	SRKSSGTP <sup>o</sup> TM	NGGKVVN <sup>o</sup> Q-D	241
hFHF-4	FLPKPLEVAM	YREPSLHDVG	ETVPKPGVTP	SKSTSASAIM	NGGKPVNKSK	245
hFHF-2	FLPKPLKVAM	YKEPSLHDLT	EFSRSGSGTP	TKSRSVSGVL	NGGKSMSHNE	243
hFHF-3	FLPKLLEVAM	YQEPSLHSVP	EASPSS--P	P-----	-----	223
hFGF-9	FLPRPVD <sup>o</sup> PD-	-KVPELY--	----KD--	-----IL	S-----	206
hFGF-1	FLPLPVS---	-----	-----	-----	-----	153
hFGF-2	FLPMSAKS--	-----	-----	-----	-----	155
hFHF-1	ST					243
hFHF-4	TT					247
hFHF-2	ST					245
hFHF-3	AP					225
hFGF-9	QS					208
hFGF-1	SD					155
hFGF-2	--					155

**FIG. 3A**

[illegible]

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FIG. 3B

mEGF-8	MGSRPS	---ALSC	LLVLC	QVTVQSSPNF	T-----QHVR	37
mEGF-3	MGLIWLL	---SLEPSW-	---PT-	-TGPGTRLR-	-----RDA-	29
hEGF-5	MSLSFLL	FSHLILSAWA	HGEKRLAPKG	QPGPAATDRN	PIGSSSRQSS	50
hEGH-6	MRSGAGRLQ-	---GTLWA--L	VFLGILVGMV	VPSAPAGTRAN	NTLLD-SRGW	47
hEGF-4	MSGPGTA	---ALLPAVLL	ALLAPWAGRG	GAAAPTAPNG	YLEARLRTTW	47
hEGF-7	M-HKWIL---	---TWILPTLL	-TRSCFHIIC	LVGTISLACN	DMT---PEQ-	39
mEGF-2	MTAAIAS---	---SLIRQKRQ	AREREKSN--	ACKCVSSPSK	G-----KTSC	38
hFHF-2	MAAAIAS---	---SLIRQKRQ	AREREKSN--	ACKCVSSPSK	G-----KTSC	38
mFHF-4	MAAAIAS---	---GLIRQKTQ	AREQHWDPRS	ASRRRSS[SL	N-----RGLF	40
mFHF-4	MAAAIAS---	---GLIRQKRQ	AREQHWDPRS	ASRRRSSPSK	N-----RGLC	40
mFHF-1	MAAAIAS---	---SLIRQKRQ	ARESNDRVS	ASKRRSSPSK	D-----GRSLC	41
hFHF-1	MAAAIAS---	---SLIRQKRQ	ARESNDRVS	ASKRRSSPSK	D-----GRSLC	41
mEGF-3	M-AALAS---	---SLIRQKRQ	BREPGGSRPV	SAQRRVCPRG	T-----KSLC	39
hFHF-3	M-AALAS---	---SLIRQKRQ	BREPGGSRPB	SAQRRBCPRG	T-----KSLC	39
hFHF-9	M-APLGE---	---VGNVFG	VQDAVP----	FGNVPVLPVD	S-----PVL-	32
hEGF-2	MAAFSIT---	---TL-----	-----	-----PALPED	G-----GSG--	19
hEGF-1	MAEGEIT---	---TF-----	-----	-----TALTE-	-----KF----	16
mEGF-8	E-----QSLVT	DQL-----SRR	LIRTYQ----	-----	LYSR-TSGKH	64
mEGF-3	-----GGR	-----GGR	GGVYEHLG--	-GAPRRR--K	LYC--ATKYH	55
hEGF-5	SSAMSSSSAS	SSPAASLGSR	GSGLEQSSFQ	WSPSGRRTGS	LYCRVIGGFH	100
hEGH-6	GTL--LSRSR	AGLAGE--IA	GVNWESG-YL	VGIKRQR--R	LYCNVIGGFH	87
hEGF-4	ESLVALSLAR	LPVAAQPKA	AVQSGAGDYL	LGIKRIR--R	LYCNVIGGFH	95
hEGF-7	-----MATNV	NCSSPERHTR	SYDYMEG----	-GDIRVR--R	LFCTRQWYLR	78
mEGF-2	DKNKLNVSFR	VKLFGSKKRR	-RRRPEPQ-L	KGIV-TK--	LYSR-Q-GYH	80
hFHF-2	DKNKLNVSFR	VKLFGSKKRR	-RRRPEPQ-L	KGIV-TK--	LYSR-Q-GYH	80
mFHF-4	NGNLVDIFSK	VRIEGLKKRR	-LRRQDPQ-L	KGIV-TR--	LYCR-Q-GYY	82
mFHF-4	NGNLVDIFSK	VRIEGLKKRR	-LRRQDPQ-L	KGIV-TR--	LYCR-Q-GYY	82
mFHF-1	ERHVLGVFSK	VRFCSGRKR	VRRRPEPQ-L	KGIV-TR--	LFsq-Q-GYF	84
hFHF-1	ERHVLGVFSK	VRFCSGRKR	VRRRPEPQ-L	KGIV-TR--	LFsq-Q-GYF	84

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FIG. 3C

mEHF-3	QKQLLILLSK	VRLCGGRPTR	QDRGPEPQ-L	KGIV-TK---	LFCR-Q-GFY	82
hEHF-3	QKQLLILLSK	VRLCGGRPAR	PDRGPEPQ-L	KGIV-TK---	LFCR-Q-GFY	82
hFGF-9	---LSDHLGQ	SEAGGLPRGP	AVTDLD-H-L	KGIL-RRRQ-	LYCR-T-GFH	73
hEGF-2	-----AFPP	GHF-----	---KDPK-R	-----	LYCK-NGGFF	40
hEGF-1	-----NLPP	GNV-----	---KKPK-L	-----	LYCS-NGGHE	37
mEGF-8	VQVLANKRIN	AMAE D G S P F A	KLIVETDTFG	SRVRVRGAET	GLYICMNNKKG	114
mEGF-3	EQLHPSGRVN	GS-LENSAYS	ILEITABEBG	V-VAIKGLFS	GRYLAMNNKPG	103
hEGF-5	EQIYPDGKBN	GS-HEAMNLS	VLEIFABSQG	I-VGIRGVFS	NKFLAMSKKG	148
hFGF-6	EQVLPDGRIS	GT-HEENPYS	LLEISTBERG	V-VSLFGVRS	ALEBAMNSKG	135
hFGH-4	EQALPDGRIG	GA-HADTRDS	LLELSPBERG	V-VSIFGVAS	RFEVAMNSKG	143
hFGF-7	IDKRGVK-G	TQ-EMKNNYN	IMEIRTVAVG	I-VAIKGVES	EFYLAMNSEG	125
mEHF-2	LQLQADGTID	GTKDEDSTYT	LFNLI PVGLR	V-VAIQGVQT	KLYLAMNSEG	129
hEHF-2	LQLQADGTID	GEKDEDSTYT	LFNLI PVGLR	V-VAIQGVQT	KLYLAMNSEG	129
mEHF-4	LQMHPDGALD	GTKDDSTNST	LFNLI PVGLR	V-VAIQGVKT	GLYIAMNDED	131
hEHF-4	LQMPHDGALD	GTKDDSTNST	LFNLI PVGLR	V-VAIQGVKT	GLYIAMNDEG	131
mEHF-1	LEMHPDGTID	GTKDENS DYT	LFMLI PVGLR	V-VAIQGVKA	SLTAAMNDEG	133
hEHF-1	LQMGPDGTID	GTKDENS DYT	LFNLI PVGLR	V-VAIQGVKA	SLYVAMNDEG	133
mEHF-3	LQANPDGSIQ	GTPEDTSSTF	HFNLI PVGLR	V-VTIQSAKL	GHYMAMNAEG	131
hGFG-3	LQANPDGSIQ	GTPEDTSSTF	HFNLI PVGLR	V-VTIQSAKL	GHYMAMNAEG	131
hHGH-9	LEIFPNGTIQ	GTRKDH S RFG	ILEFISIAVG	L-VSIRGVDS	GLYLG MNEKG	122
hFGF-2	LRIHPDGRVD	GVREKSDPHI	KLQLQAEERG	V-VSIKGVCA	NRYLAMKEDG	89
hEHF-1	LRILPDGTVD	GTRDRSDQHI	QLQLSAESVG	E-VYIKSTET	GOYLAMDTDG	86
mEGF-8	KLIALSNGKG	KDCVFI EIBL	ENNYTALQNA	KYE-----	-----G	148
mEGF-3	RLYASDHYN-	AEC E F E R I H	ELGYNTYASR	LYRTGSSGPG	AQRQPGAQRP	152
hFGF-5	KLHASAKFT-	DDCKE F P E R F Q	ENSYNTYASA	IHRTEKTG--	-----RE	187
hFGF-6	RLYATPSFQ-	EECKE F R E T L L	PNNYNAYESD	LYQGT-----	-----	169
hFGF-4	KL YGSPFFT-	DECI F K E I L L	PNNYNAYESY	KYPGM-----	-----	177
hFGF-7	KL YAJJECN-	EDCN E K E L I L	INHYN TYASA	KWTHNGG---	-----E	162

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FIG. 3D

mFHF-2	YL	YTSEHG	Y	Y	VTYSSM	IYRQQQSG	168
hFHF-2	YL	YTSELFT	Y	Y	VTYSSM	IYRQQQSG	168
mFHF-4	YL	YPSELFT	Y	Y	VIYSSM	LYRQQESG	170
hFHF-4	YL	YPSELFT	Y	Y	VIYSSM	LYRQQESG	170
mFHF-1	YL	YSSDVFT	Y	Y	VIYSSM	LYRQQESG	172
hFHF-1	YL	YSSDVFT	Y	Y	VIYSSM	LYRQQESG	172
mFHF-3	LL	YSSPHFT	Y	Y	VIYSSM	LYRQQESG	170
hFHF-9	EL	YGSEKLT	Y	Y	VIYSSM	LYRQQESG	161
hFHF-2	RL	LASKCVT	Y	Y	NTYSSM	LYKHVDTG	122
hFHF-1	LL	YGSQTPN	Y	Y	NTYSSM	KYT	121
						KHAEK	
mFHF-8	WY	MAETRKGR	Q	Q	SSFLPRV	RE--VHFMR	187
mFHF-3	WY	VSNGKGR	Q	Q	SSFLPRV	LGHKDHMVR	202
hFHF-5	WY	VALNKPCK	VK	VK	SSFLPRV	IS--THFLPR	228
hFHF-6	-Y	IALSKYGR	-	-	SSFLPRV	TV--THFLPR	198
hFHF-4	-E	IALSKNGK	-	-	SSFLPRV	KV--THFLPR	206
hFHF-7	MF	VALNQKGI	QK	QK	SSFLPRV	-T--AHELPR	192
mFHF-2	WY	LGLNKEGE	K	K	SSFLPRV	PA--AHELPR	207
hFHF-2	WY	LGLNKEGE	K	K	SSFLPRV	PA--AHELPR	207
mFHF-4	WY	LGLNKEGE	K	K	SSFLPRV	PA--AHELPR	209
hFHF-4	WY	LGLNKEGE	K	K	SSFLPRV	PA--AHELPR	209
mFHF-1	WY	LGLNKEGE	K	K	SSFLPRV	PS--SHEVPK	211
hFHF-1	WY	LGLNKEGE	K	K	SSFLPRV	PS--SHEVPK	211
mFHF-3	WY	LGLDKEGR	K	K	SSFLPRV	AA--AHELPR	209
hFHF-3	WY	LGLDKEGR	K	K	SSFLPRV	AA--AHELPR	209
hFHF-9	YY	VALNKDGT	Q	Q	SSFLPRV	KF--THFLPR	198
hFHF-2	WY	VALKRTGO	Q	Q	SSFLPRV	KA--ILELPM	155
hFHF-1	WF	VGLKNGS	Q	Q	SSFLPRV	KA--ILELPL	153

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FIG. 3E

mEGF-8	SLR--FEFLN	YP--PFTR-	---	S	LRGSQRTWAP	EPR	215
mEGF-3	GEGSQPRQRR	OKKQSPGDHG	---	KMETLSTRAT	PSTQLHTGGL	AVA	245
hEGF-5	FTVTVP--E	KKNPPSPIKS	---	KIPLSAPRKN	TNSVKYRLKF	RFG	268
hEGF-6	---	---	---	---	---	---	198
hEGF-4	---	---	---	---	---	---	206
hEGF-7	---	---	---	---	---	IT	194
mEHF-2	SLHDLTEFSR	SGSGTPTKSR	---	SVSGV	LNGGKSMSHN	EST	245
hEHF-2	SLHDLTEFSR	SGSGTPTKSR	---	SVSGV	LNFFKSMASHN	EST	245
mEHF-4	SLHDVGETVP	KAGVTPSKST	---	SASAI	MNGGKPVNKC	KTT	247
hEHF-4	SLHDVGETVP	KPGVTPSKST	---	SASAI	MNGGKPVNKS	KTT	247
mEHF-1	SLHEIGE--	KQG--RSRKS	---	SGTPT	MNGGKVVNQ-	DST	243
hEHF-1	SLHEIGE--	KQG--RSRKS	---	SGTPT	MNGGKVVNQ-	DST	243
mEHF-3	SLHSVPETSP	SS--PP--	---	---	---	AH	225
hEHF-3	SLHSVPEASP	SS--PP--	---	---	---	AP	225
hEGF-9	ELY--	KD--	---	I	LS--	QS	208
hEGF-2	---	---	---	---	---	---	155
hEGF-1	---	---	---	---	---	SD	155



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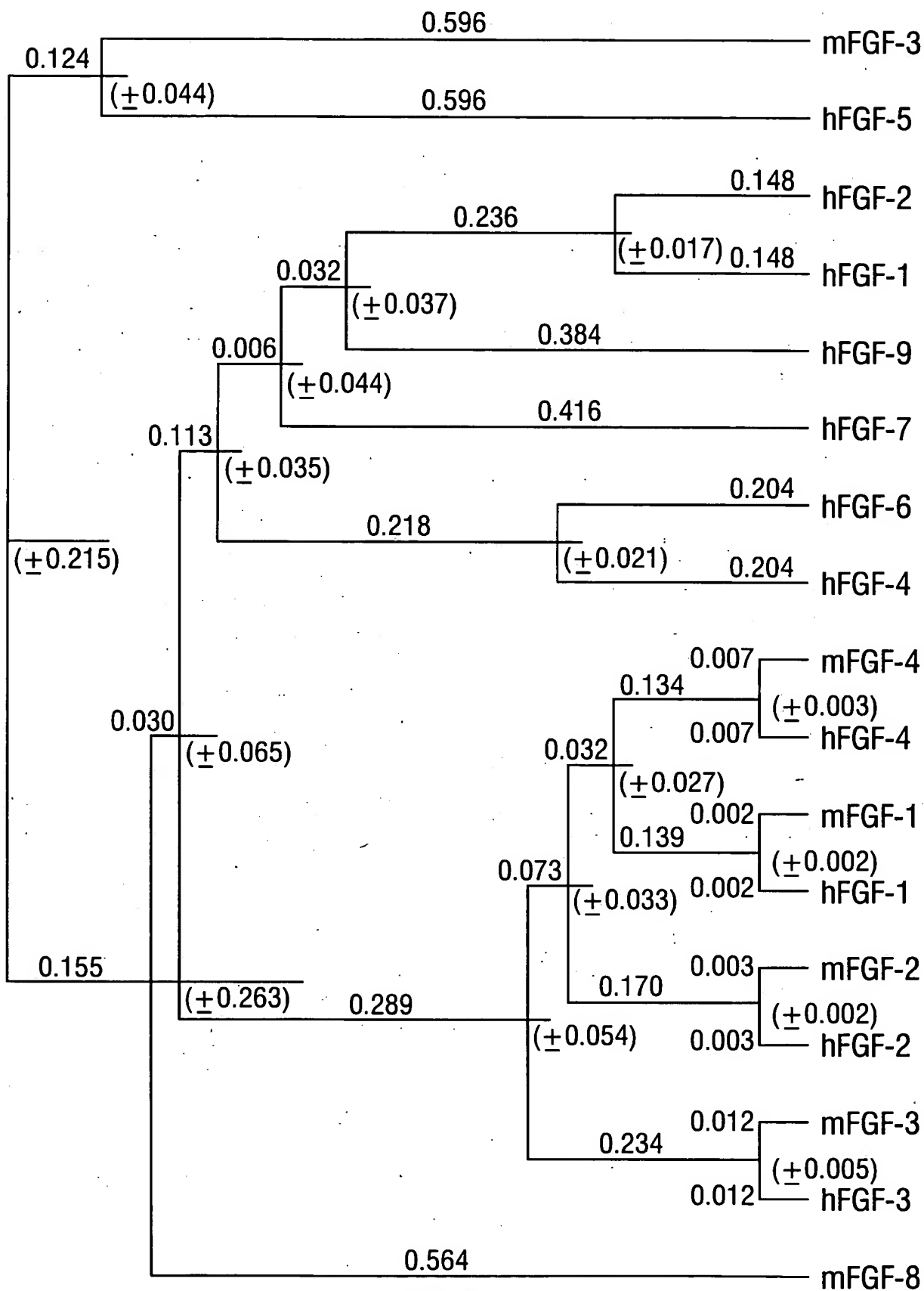


FIG. 4

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FIG. 5A

SEQ ID NO:18	GAATTCCGCA	CACTGCGTTC	GGGGTACCAA	GTGGAAGGGG	AAGAACGATG	CCCAAAATAA	60
	CAAGACGTGC	CTGGGACCGC	CCCGCCCCGC	CCCCCGGCCG	CCAGAGGTTG	GGGAAGTTTA	120
	CATCTCCATT	TTCACACATT	TTGTGCGCCAC	TGCCCCAGACT	TTGACTAACC	TTGTGAGCGC	180
	CGGGTTTTCG	ATACTGCAGC	CTCCTCAAAT	TTTAGCACTG	CCTCCCCGCG	ACTGCCCTTT	240
	CCCTGGCCGC	CCAGGTCCTG	CCCTCGCCCC	GGCGGAGCGC	AAGCCGGAGG	GCGCAGTAGA	300
	GGCTGGGGCC	TGAGGCCCTC	GCTGAGCAGC	TATGGCTGCG	GCGATAGCCA	GCTCCTTGAT	360
	SEQ ID NO:1			M A A A	A I A	S S L I	420
	CCGGCAGAAG	CGGCAGGCGA	GGGAGTCCAA	CAGCGACCGA	GTGTCGGCCT	CCAAGCGCCG	480
	CTCCAGCCCC	AGCAAAGACG	GGCGTCCCT	GTGCGAGAGG	CACGTCTCTG	GGGTGTTTCAG	540
	CAAAGTGCGC	TTCTGCAGCG	GCCGCAAGAG	GCCGGTGAGG	CGGAGACCCAG	AACCCACAGT	600
	CAAAGGGATT	GTGACAAGGT	TATTCAGCCA	GCAGGGATAC	TTCTCTGCAGA	TGCACCCAGA	660
	TGGTACCATT	GATGGGACCA	AGGACGAAA	CAGCGACTAC	ACTCTCTTCA	ATCTAATTCC	720
	CGTGGGCCCTG	CGTGTAGTGG	CCATCCAAGG	AGTGAAGGCT	AGCCTCTATG	TGGCCATGAA	780
	TGGTGAAGGC	TATCTCTACA	GTTCAGATGT	TTTCACTCCA	GAATGCAAT	TCAAGGAATC	840
	TGTGTTTGAA	AACTACTATG	TGATCTATTC	TTCCACACTG	TACCGCCAGC	AAGAATCAGG	



FIG. 6A

SEQ ID NO:19

AATTCGCTT GCACAGTGTC CGCCGGGCGC AGGGGCCGAC CGCACGCAGT CGCGCAGTTC 60  
TGCCTCCGCC TGCCAGTCTC GCCCGCGATC CCGGCCCGGG GCTGTGGCGT CGACTCCGAC 120  
CCAGGCAGCC AGCAGCCCGC GCGGGAGCCG GACCGCCGCC GGAGGAGCTG CCACGGCATG 180  
CTGAGCCCCC TCCTTGGCTG AAGCCCCGAGT GCGGAGAAGC CCGGGCAAC GCAGGCTAAG 240  
GAGACCAAAG CGGCGAAGTC GCGAGACAGC GGACAAGCAG GCCACCACAA GGAGGAGGAG 300  
GCGAACCACG AGAGGGGCAG CAAAGAAGC GGTGGTGGTG GCGTCGTGG CCATGGCGGC 360

SEQ ID NO:2

GGCTATCGCC AGCTCGCTCA TCCGTCAGAA GAGGCAAGCC CGCGAGCGCG AGAAATCCAA 420  
A I A S S L I R Q K R Q A R E R E K S N  
CGCTGCAAG TGTGTCAGCA GCCCCAGCAA AGGCAAGACC AGCTGCGACA AAAACAAGTT 480  
A C K C V S AACTCTTCGG CTCCAAGAAG AGGCGCAGAA GAAGACCAGA K N K L  
AAATGTCTTT TCCCGGGTCA K L F G S K K R R R R P E  
N V F S R V TTACCAAGCT ATACAGCCGA CAAGGCTACC ACTTGCAGCT H L Q L  
GCCTCAGCTT AAGGTATAG V T K L AGATGAGGAC AGCACTTACA CTCGTGTTAA T L F N  
P Q L K G I ATGGCACCAA D G T K GAGTGGTGGC TATCCAAGGA GTTCAAACCA AGCTGTACTT K L Y L  
GCAGGCGGAT GGAACCATG GAGTGGTGGC R V V A ACTTGTACAC CTCGGAAGTT TTCACACCTG AGTGCAAATT 720  
Q A D G T I D G T K GAGTGGTGGC R V V A ACTTGTACAC CTCGGAAGTT TTCACACCTG AGTGCAAATT 780  
CCTCATCCCT GTGGTCTGC V G L L Y T ATTATTATGT GACATATTCA TCAATGATAT ACCGTCAGCA 840  
L I P V G L Y L Y T ATTATTATGT GACATATTCA TCAATGATAT ACCGTCAGCA  
GGCAATGAAC AGTGAGGGAT ACTTGTACAC CTCGGAAGTT TTCACACCTG AGTGCAAATT  
A M N S E G Y L Y T ATTATTATGT GACATATTCA TCAATGATAT ACCGTCAGCA  
CAAAGAATCA GTGTTTGAAA ATTATTATGT GACATATTCA TCAATGATAT ACCGTCAGCA  
K E S V F E N Y Y V T Y S S M I Y R Q Q

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FIG. 6B

SEQ ID NO:2 (CONT'D)  
 GCAGTCAGGC CGAGGGTGGT ATCTGGGTCT GAACAAAGAA GGAGAGATCA TGAAAGGCAA 900  
 Q S G R G W Y L G L N K E G E I M K G N  
 CCATGTGAAG AAGAACAAGC CTGCATCTCA TTTTCTGCCT AAACCACTGA AAGTGGCCAT 960  
 H V K K N K P A A H F L P K P L K V A M  
 GTACAAGGAG CCATCACTGC ACGATCTCAC GGAGTTCTCC CGATCTGGAA GCGGACCC 1020  
 Y K E P S L H D L T E F S R S G S G T P  
 AACCAAGAGC AGAAGTGCT CTGGCGTGCT GAACGGAGGC AAATCCATGA GCCACAATGA 1080  
 T K S R S V S G V L N G G K S M S H N E  
 ATCAACGTAG CCAGTGAGGG CAAAGAAGG GCTCTGTAA CAGAACCTTAC CTCCAGGTGC 1140

TGTTGAATTC

SEQ ID NO:20

GAATTCCGGC TCTTGGGGAG CCCAGCGCGC TCCGGGCGCC TGCCGGTTTG GGGGTGTCTC 60  
 CTCCCGGGC GCTATGGCGG M A A L A S S L I TAGCCTGATC CGGCAGAAGC GGGAGGTCCG 120

SEQ ID NO:3

CGAGCCCGGG GGCAGCCGGC CGGTGTCGGC GCAGCGGCGC GTGTGTCCCC GCGGCACCAA 180  
 E P G G S R P V S A Q R R V C P R G T K  
 GTCCCTTTC CAGAAGCAGC TCCTCATCCT L L I L L S K V R L C G G R 240  
 S L C Q K Q CCGACCGCG GCCCGAGCC G P E P Q L K K G I V G C A A A C T G T T 300  
 GCCCGCGCGG P A R P D R TCCAGGCGAA TCCCGACGGA AGCATCCAGG GCACCCAGG 360  
 CTGCCGCCAG GGTTCCTACC G F Y L Q A N P D G S I Q T P E  
 GGATACCCAGC TCCTTACCC ACTTCAACCT GATCCCTGTG GGCCTCCGTG TGGTCACCAT 420  
 D T S S F T H F N L I P V G L R V V T I  
 CCAGAGCGCC AAGCTGGGTC ACTACATGGC CATGAATGCT GAGGACTGC TCTACAGTTC 480  
 Q S A K L G H Y M A M N A E G L L Y S S

FIG. 7A

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FIG. 7B

SEQ ID NO: 3	540
GC CGCATTC ACAGCTGAGT GTCGCTTTAA GGAGTGTGTC TTTGAGAATT ACTACGTCCT	
P H F T A E C V F E N Y Y V L	
GTACGCCCTCT GCTCTCTACC GCCAGCGTCG TTCTGGCCGG GCCTGGTACC TCGGCCCTGGA	600
Y A S A L Y R Q R R S G R A W Y L G L D	
CAAGGAGGGC CAGGTCATGA AGGAAACCG AGTTAAGAAG ACCAAGGCAG CTGCCCACTT	660
K E G Q V M K G N R V K K T K A A A H F	
TCTGCCCAAG CTCCTGGAGG TGGCCATGTA CCAGGAGCCT TCTCTCCACA GTGTCCCCGA	720
L P K L L E V A M Y Q E P S L H S V P E	
GGCTCCCCCT TCCAGTCCCC CTGCCCCCTG AAATGTAGTC CCTGGACTGG AGGTTCCCTG	780
A S P S S P A P C CACCACAAC CTGTCTCCCA GTCCTGCTCT CACCCCTGCT	840
CACTCCCAGT GAGCCAGCCA CCACCACAAC CTGTCTCCCA GTCCTGCTCT CACCCCTGCT	
GCCACACACA TGCCCTGAGC AGCCAGGTGG CACTAGGTGC TCTACCCCTGA GGGAGCCTAG	900
GGGCTGACTG TGACTTCCGA GGCTGCTGAG ACCCTTAGAT CTTTGGGCCT AGGAGGGAGT	960

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FIG. 8A

SEQ ID NO: 21  
 CGCGCCCTTC CCCTCCGGTG CCCCCGGGCTC GCCGTCCCTCC CGCGCCCTCC CTCCTCCGGAC 60

CCGTTCCCGG GGCACCATG M A A A GCGCGGGCCA TCGCTAGCGG I A S G L I R Q K R 120

SEQ ID NO: 4  
 AGCGCGGGA GCAGCACTGG GACCGGCCGT CTGCCAGCAG GAGCGGGAGC AGCCCCAGCA 180  
 Q A R E Q H W Q H W GCTCTGCAAC GGCAACCTGG TGGATATCTT CTCCAAAGTG CGCATCTTCG 240  
 AGAACCGCGG L C N G N L GCGCGCCAAG ATCCCCAGCT CAAGGGTATA GTGACCAGGT 300  
 GCCTCAAGAA R R L R R Q TACTTGCAAA TGCACCCCGA M H P D ACCTCATACC AGTGGGACTA CGTGTGTTG 360  
 TATATTGCAG GCAAGGCTAC Q G Y T L F GGTGTGATA G L Y GAATGCAAGT TTAAGAATC F K E S 420  
 L Y C R AGGATGACAG CACTAATTCT ACACCTCTCA T L F GGTGTGATA G L Y GAATGCAAGT TTAAGAATC F K E S 480  
 K D D S CCATCCAGGG AGTGAAAACA V K T TTTACCCCT F T P ATCCATGTTG TACAGACAAC Y R Q ATGAAAGGA 540  
 A I Q G CATCAGAACT TTTACCCCT F T P ATCCATGTTG TACAGACAAC Y R Q ATGAAAGGA 600  
 P S E L TAATCTACTC ATCCATGTTG S M L AGGGCAAGCT G Q A CAAGCCATTG K P L CCCGAAGCCT P K P 660  
 V I Y S TAAATAAGGA AGGGCAAGCT G Q A CAAGCCATTG K P L CCCGAAGCCT P K P 720  
 L N K E ATTTTCTACC CAAGCCATTG K P L CCCGAAGCCT P K P 780  
 H F L P GGAACCGGT CCCGAAGCCT P K P 840  
 G E T V TGAATGGAGG CAAACCAAGTC AACAAAGTA AGACAACATA P S K S 840  
 M N G G K P V N K S K T T

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**FIG. 8B**

SEQ ID NO: 4  
GTGACTTATT CGTCCTGAGC ACAGTTGAGT GATTATCCT CACCAGACAT TCCTGCTCCG 900  
TGGCTGAAGA GCAGCAGGAA GTAAGCTAAT GCTTATTCTT TGCTGTCTCC GAAC TTCTCT 960  
GTTGCAAGTG G



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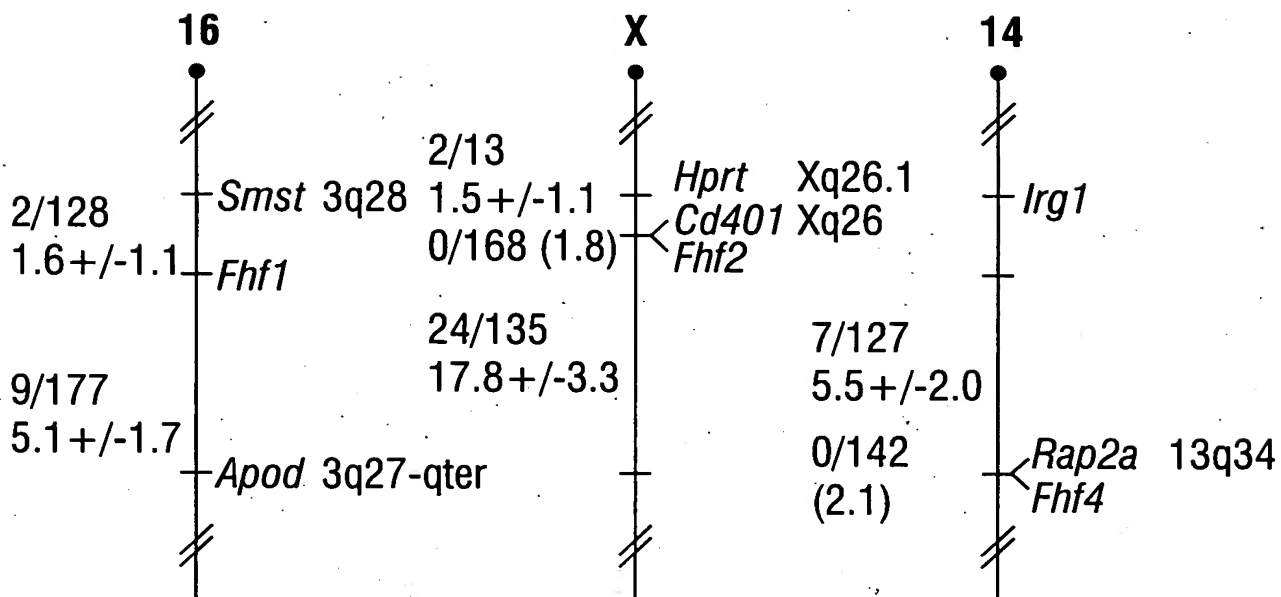


FIG. 9

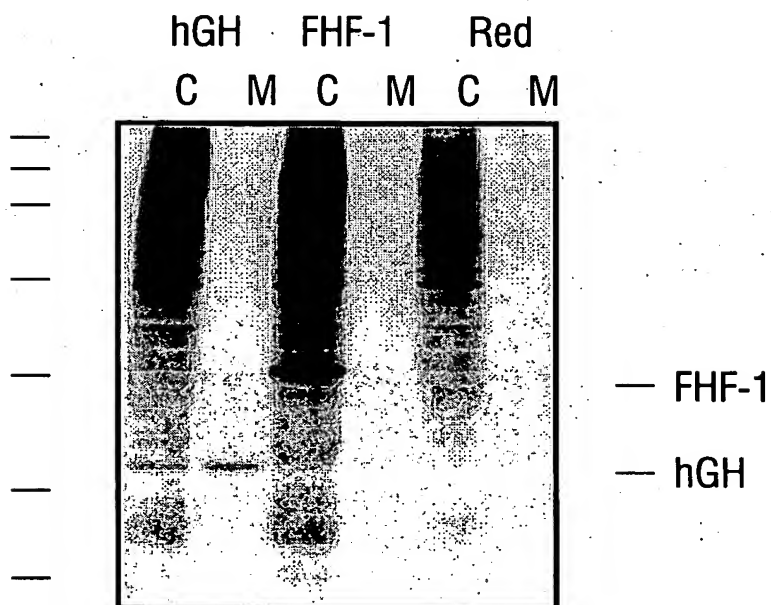


FIG. 13

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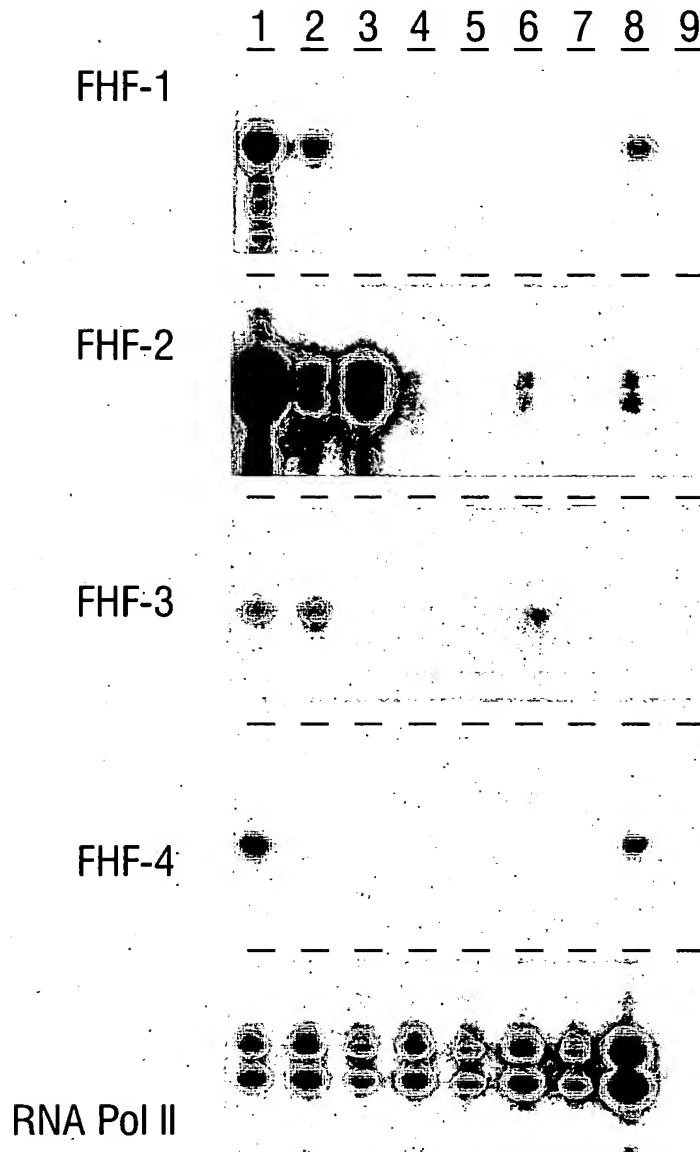


FIG. 10

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FIG. 11A



FIG. 11B



FIG. 11C

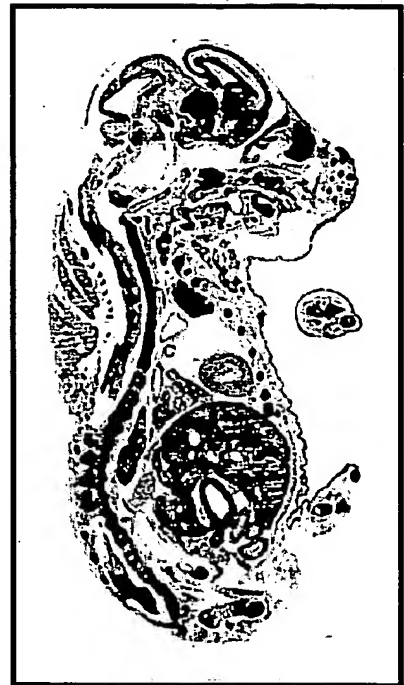


FIG. 11D

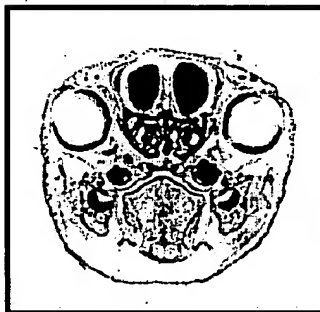


FIG. 11E



FIG. 11F



FIG. 11G

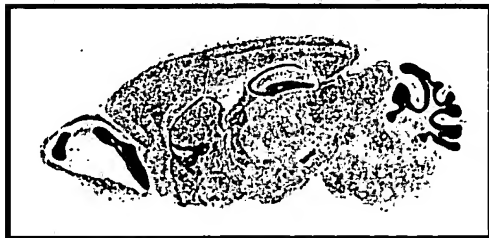


FIG. 11H



FIG. 11I

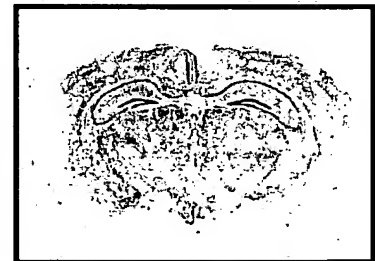


FIG. 11L

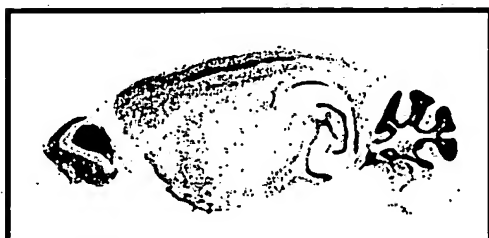


FIG. 11J

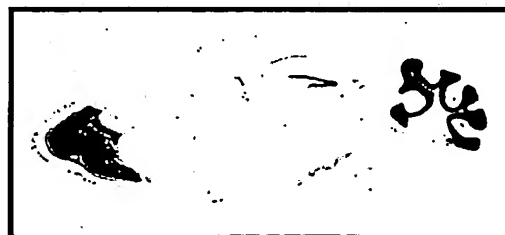


FIG. 11K

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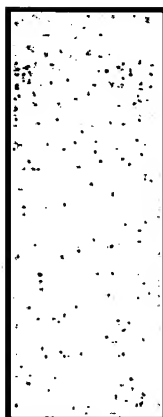


FIG. 12A

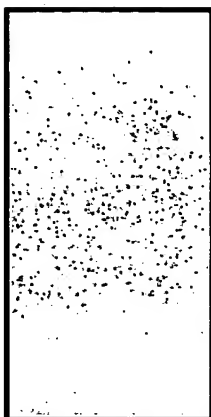


FIG. 12B

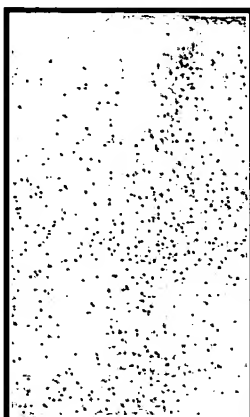


FIG. 12C

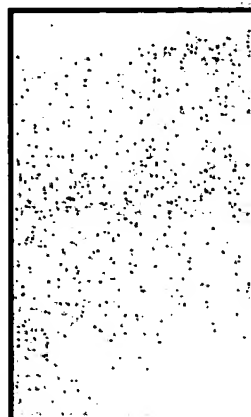


FIG. 12D

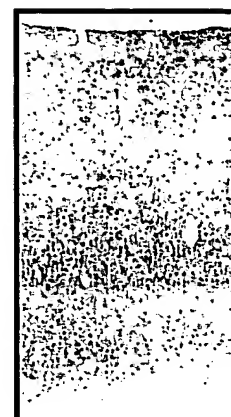


FIG. 12E

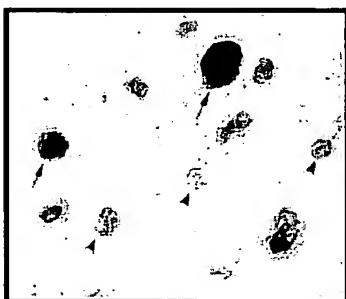


FIG. 12F

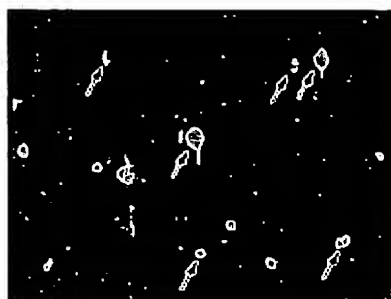


FIG. 12G

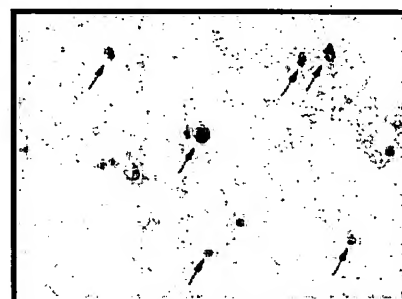


FIG. 12H

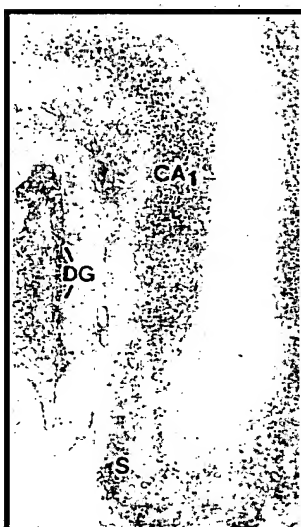


FIG. 12I

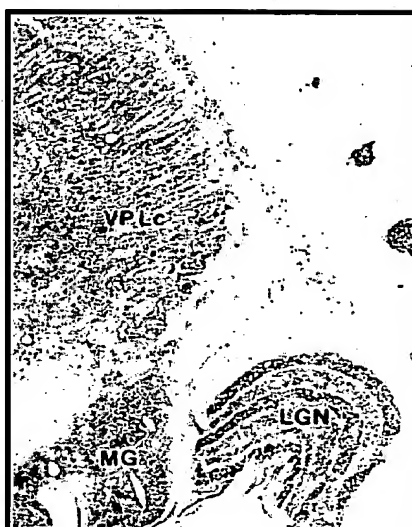


FIG. 12J

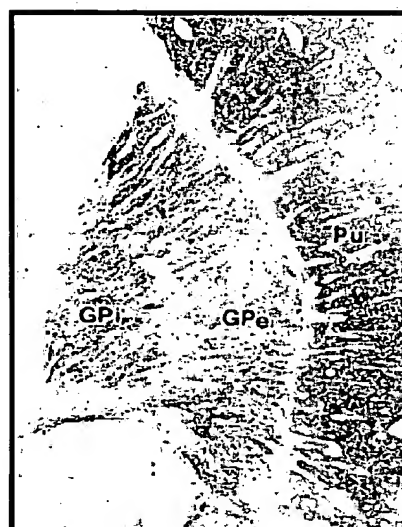


FIG. 12K

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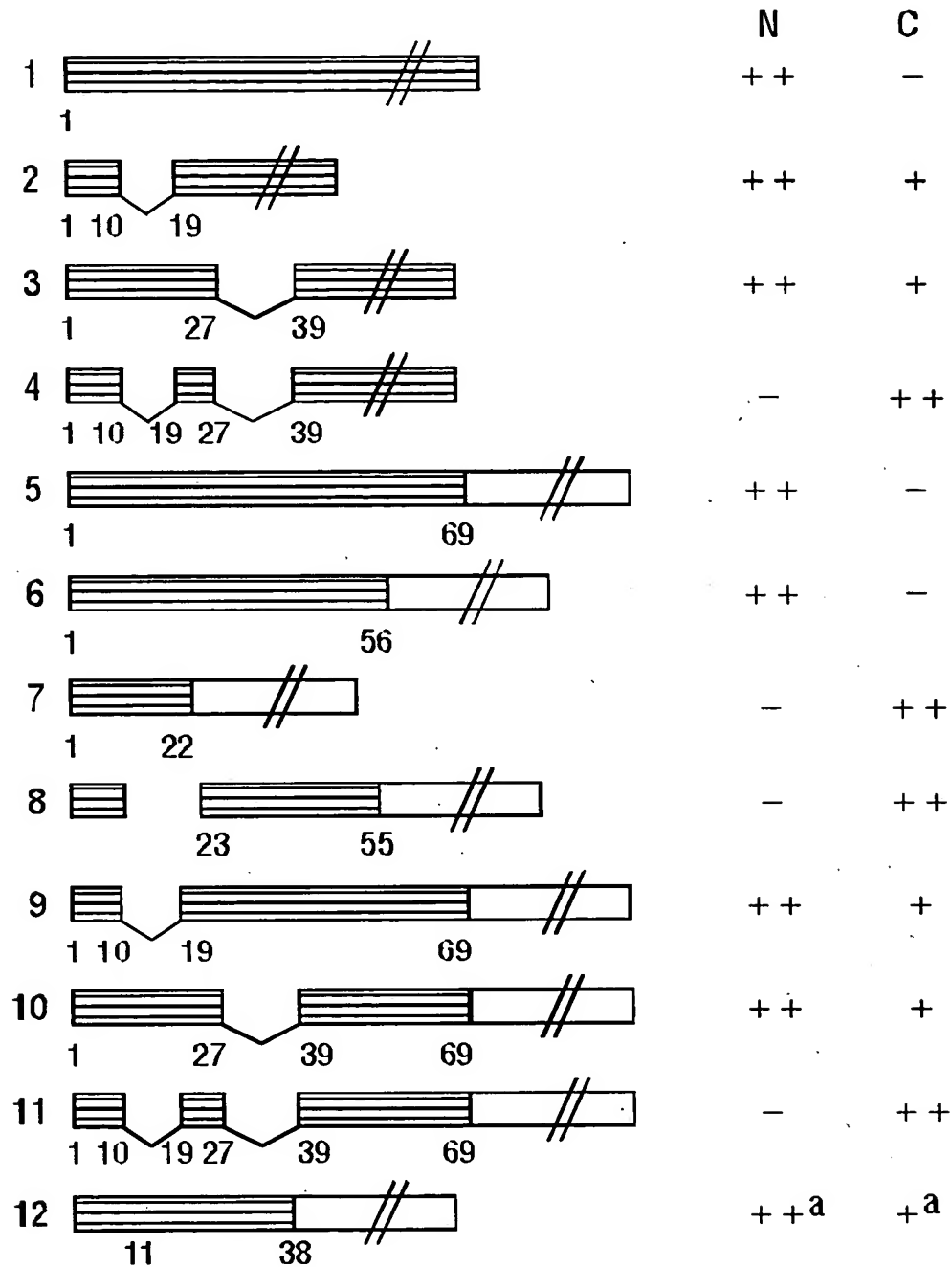
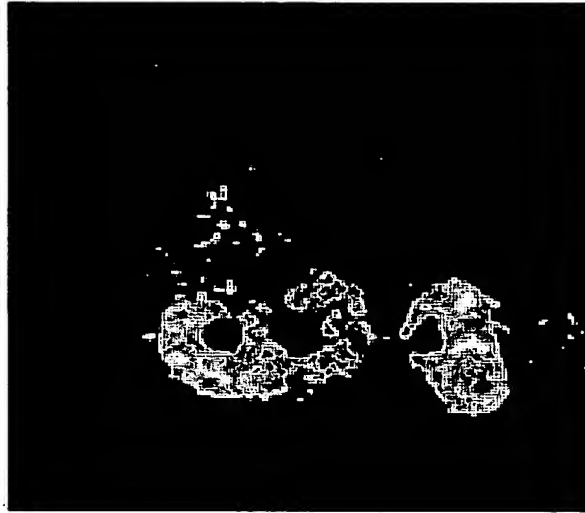
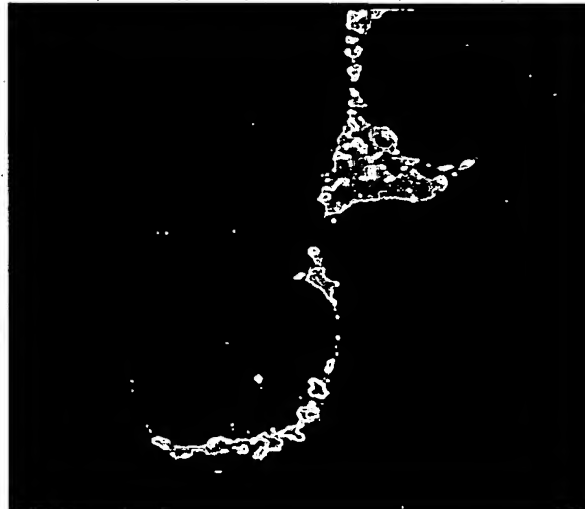


FIG. 14

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**FIG. 15A**

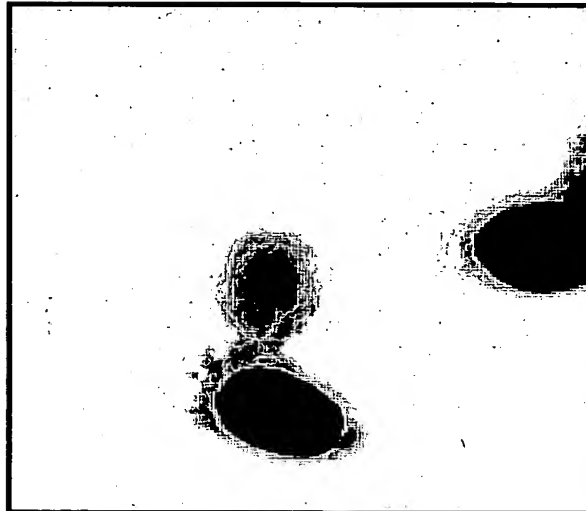


**FIG. 15B**

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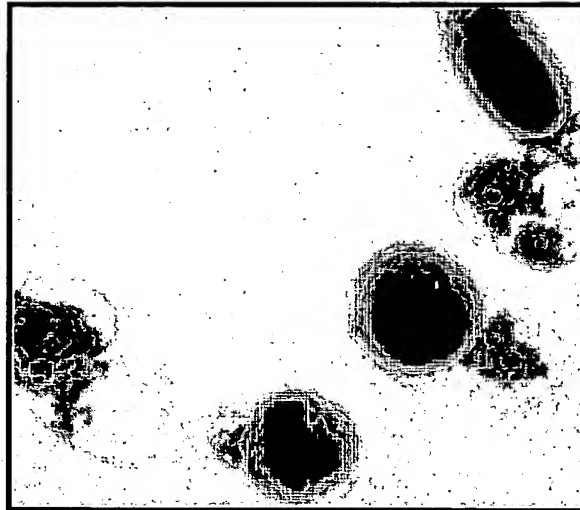


**FIG. 15C**

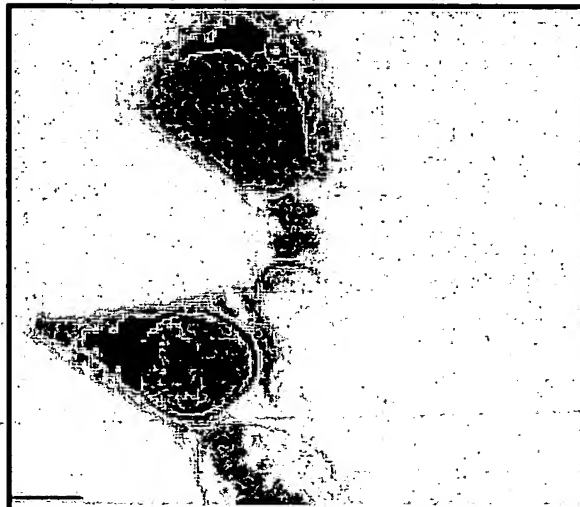


**FIG. 15D**

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**FIG. 15E**



**FIG. 15F**